

Study in the Philosophy and Practice of Professional Regulation. xxiv, 432 pp. \$20. Vol. 2, A Handbook of State Licensure Laws. xxviii, 520 pp. \$25. Vol. 3, A Review of Malpractice Suits in the United States. xx, 444 pp. \$20. Vol. 4, A Resource Bibliography. xxiv, 184 pp. \$20.

Relativistic Quantum Fields. C. Nash. Academic Press, New York, 1978. x, 224 pp. \$31.

Reliable Knowledge. An Exploration of the Grounds for Belief in Science. John Ziman. Cambridge University Press, New York, 1979. x, 198 pp., illus. \$18.95.

Septic Tank Practices. Peter Warshall. Anchor/Doubleday, Garden City, N.Y., ed. 2, 1979. x, 178 pp., illus. Paper, \$3.95.

Seven Rock Art Sites in Baja California. Clement W. Meighan and V. L. Pontoni, Eds. Ballena Press, Socorro, N.M., 1978. vi, 236 pp., illus. Paper, \$8.95. Ballena Press Publications on North American Rock Art No. 2.

Shape Theory. An Introduction. Jerzy Dydak and Jack Segal. Springer-Verlag, New York, 1978. vi, 150 pp. Paper, \$9.80. Lecture Notes in Mathematics, vol. 688.

A Short Course in Organic Chemistry. Edward E. Burgoyne. McGraw-Hill, New York, 1979. xvi, 528 pp., illus. \$16.95.

The Sign and Its Masters. Thomas A. Sebeok. University of Texas Press, Austin, 1979. xvi, 340 pp., illus. \$19.95.

The Siloxane Bond. Physical Properties and Chemical Transformations. M. G. Voronkov, V. P. Mileshevich, and Yu. A. Yuzhevskii. Translated from the Russian edition (Novosibirsk, 1976) by John Livak. Consultants Bureau (Plenum), New York, 1978. xii, 494 pp., illus. \$65. Studies in Soviet Science.

Simulation Studies in Archaeology. Ian Hodder, Ed. Cambridge University Press, New York, 1979. viii, 140 pp., illus. \$16.95. New Directions in Archaeology.

The Single-Stranded DNA Phages. Papers from a meeting, Cold Spring Harbor, N.Y., Aug. 1977. D. T. Denhardt, D. Dressler, and D. S. Ray, Eds. Cold Spring Harbor Laboratory, Cold Spring Harbor, N.Y., 1978. xii, 720 pp., illus. \$49.

Social Interaction Analysis. Methodological Issues. Michael E. Lamb, Stephen J. Suomi, and Gordon R. Stephenson, Eds. University of Wisconsin Press, Madison, 1979. xii, 322 pp., illus. \$17.50.

Toxicology Annual. Vol. 3. Charles L. Wink and Sydney P. Shanor, Eds. Dekker, New York, 1979. xiv, 340 pp., illus. \$39.50.

Trends in Communications Satellites. Denis J. Curtin, Deitrich E. Koelle, and Fred Treble, Eds. Pergamon, New York, 1979. vi + pp. 131-472, illus. \$80. Originally published as special issues of *Acta Astronautica*, vol. 5, Nos. 3-6.

What's Wrong with Our Weather? The Climatic Threat of the 21st Century. John Gribbin. Scribner, New York, 1979. x, 174 pp., illus. + plates. \$9.95.

Why Dinosaurs Became Extinct. J. L. Cloudsley-Thompson. Meadowfield Press, Shildon, Co. Durham, England, 1978. viii, 86 pp., illus. Paper, \$8.40. Patterns of Progress.

Windy Ridge. A Prehistoric Site in the Inter-Riverine Piedmont in South Carolina. John H. House and Ronald W. Wogaman. University of South Carolina Institute of Archaeology and Anthropology, Columbia, 1978. xvi, 158 pp., illus. Paper, \$6.50. Anthropological Studies 3.

World Soils. E. M. Bridges. Cambridge University Press, New York, ed. 2, 1979. 128 pp., illus. + plates. Cloth, \$19.95; paper, \$7.95.

Personnel Placement

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POSITIONS WANTED

Biochemist/Genetic Toxicologist. Ph.D. 1970. Extensive experience with Ames mutagenesis assay, carcinogen metabolism, analysis of carcinogens in biological fluids and mechanisms of mutagenesis. Experienced in HPLC, GC, TLC, fluorescence, mass spectroscopy, and other chemical and biochemical techniques; 25 publications, grants. Prefers Northeast; will consider part-time or consulting. Box 253, SCIENCE. X

Biochemist/Neurochemist. Ph.D. 1968. Highly motivated and productive research worker with wide experience in interdisciplinary research. Interested in studying brain cell organelle and regulation of membrane bound enzymes and receptors by nutritional and pharmacological agents. Will also work in other related fields of interest. Box 254, SCIENCE. X

CNS Pharmacologist. Ph.D. Highly motivated and productive and interested in movement disorders, narcotics, hallucinogens, neuroleptics, and central stimulants; wants a senior research position. Will test own hypothesis on the involvement of a new neurotoxic substance in the etiology of behavioral and/or movement disorders. Will also work in the other fields of interest. Box 215, SCIENCE. X

Electron Microscopist. Ph.D. Fully trained in TEM (BF, DF), SEM, and LM, including maintenance. Experience in morphological studies from tissue to single macromolecule in conjunction with biochemistry, physiology, and genetics. Background in microbiology, cytogenetics, and microbial genetics. Four years of research and postdoctorate work in nucleosome and nucleic acids. Doctorate work in industrial and pathogenic fungi. Worked in agricultural, public health, and academic laboratories. Seeking position in any active institute. Box 255, SCIENCE. X

Immunologist. M.S. 1977, desires position with researcher interested in regulation of the immune network. Opportunity to work for Ph.D. in this area also desired. J. Daniels, 101 Bruner Avenue, Glenolden, Pennsylvania 19036. X

POSITIONS WANTED

Pharmacologist/Toxicologist. Ph.D. expected October 1979. Drug metabolism, biochemical pharmacology, enzymology. Isolated hepatocytes. M.S. in pharmacy; 15 years of experience in design, manufacture, and quality control of pharmaceuticals. Desires position in pharmaceutical industry or government. S. Lowitt, 2131 Brookhaven Drive, Sarasota, Florida 33579. 9/14, 21

Pharmacology. Ph.D. Teaching experience in medical, undergraduate school; basic medical science background; seeks teaching, research/administrative position, pharmacology, physiology, biology, health sciences. Box 256, SCIENCE. 9/14, 21

POSITIONS OPEN

ANATOMIST

Applications are invited for a vacant position in anatomy at the assistant or associate professor level. Applicants should possess an M.D. and/or Ph.D., and have experience in teaching gross anatomy to medical students. Experience in teaching embryology or histology would be an asset. Candidates would be expected to have a strong research background. Excellent facilities are available in histology, neuroscience, molecular biology, immunology, and cell physiology. Salary will be commensurate with rank and experience. Applicants should send curriculum vitae and names of three referees to: Dr. T. M. Scott, Chairman, Anatomy Search Committee, Faculty of Medicine, Health Sciences Centre, Memorial University, St. John's, Newfoundland, Canada A1B 3V6.

UNIVERSITY OF IOWA DEPARTMENT OF ANATOMY

Funded faculty positions available; rank and salary to be determined (associate salary \$15,000 and up; assistant professor \$22,000 and up). M.D. or Ph.D. in anatomical or biological sciences required; experience in anatomy expected for assistant professor and above. Teaching duties in one or more of the anatomical sciences (gross, neuro, histo). Excellent research facilities; current faculty research programs include reproductive, nervous, and cardiovascular systems. Successful candidate must demonstrate research productivity and funding potential. Qualified applicants send letter referring to this advertisement, curriculum vitae including list of publications, brief description of research program, and three letters of recommendation to:

Dr. Terence H. Williams, Department Head
Department of Anatomy, 1-470-BSB
University of Iowa College of Medicine
Iowa City, Iowa 52242

The University of Iowa is an Equal Opportunity/Affirmative Action Employer; women and minority candidates are encouraged to apply.

ASSISTANT PROFESSOR. Beginning January 1980. **Animal virology.** Ph.D. required. Postdoctoral experience and strong biochemistry background desirable. Primary teaching duties in animal virology and molecular biology. Participation in M.S. program. Salary: \$16,411 (prorated for completion of 1979-1980 academic year). Send résumé, transcripts, and three letters of recommendation to: **Chairman, Department of Microbiology and Biochemistry, Idaho State University, Pocatello, Idaho 83209.** Application deadline: 15 November 1979. *Equal Opportunity/Affirmative Action Employer, M/F.*

ASSISTANT PROFESSOR CELLULAR ENDOCRINOLOGY

The Department of Physiology and Biophysics at The University of Iowa College of Medicine invites applications for tenure-track appointment at the assistant professor level. Applicants should have the Ph.D. degree and/or M.D. degree and two or more years of postdoctoral training, with a record of productivity in original research. Candidates should be prepared to conduct a strong independent research program in endocrinology at the cellular level and to take an active role in the medical and graduate teaching activities of the department. Please send curriculum vitae and a brief description of research interests, teaching experience and career objectives, with names of at least three references, to: **Dr. Robert Fellows, Department of Physiology and Biophysics, The University of Iowa College of Medicine, Iowa City, Iowa 52242.**

The University of Iowa is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

APPLIED NATURAL SCIENTIST- RESOURCE PLANNER UNIVERSITY OF ILLINOIS, URBANA-CHAMPAIGN

Assistant or associate professor in multidisciplinary program in land resources planning/environmental analysis. To teach, lead student workshops, and conduct research in application of natural science data and knowledge to problem-focused planning in land use, resource management, and environmental impact assessment. Applicants should possess a Ph.D. or equivalent in a natural science, resource management, or related field. Teaching experience and proven research capability, including the development of applied contract work, are highly desirable. The program, housed in the Department of Landscape Architecture, draws students from planning, geography, ecology, and civil engineering. Continuing appointment, available beginning January or August 1980. Salary dependent on qualifications. Send application, including résumé, statement of teaching and research interests, and names of three references, to: **CALREP Search, c/o R. B. Riley, Head, Department of Landscape Architecture, 205 Mumford Hall, University of Illinois, Urbana, Ill. 61801; telephone: 213-333-0175.** For full consideration, applications should be received by 15 October 1979. *An Affirmative Action/Equal Opportunity Employer.*

ASSISTANT PROFESSOR

Ph.D. immunology, biochemistry, or microbiology with minimum of 2 years of training and experience in immunochemistry. Research position in immunochemical studies applied to serology of rheumatoid disease.

Send curriculum vitae to:

David Koffler, M.D.
Department of Pathology
Hahnemann Medical College and Hospital
230 North Broad Street
Philadelphia, Pa. 19102

An Equal Opportunity/Affirmative Action Employer

POSITIONS OPEN

ASSISTANT PROFESSOR. A tenure-track faculty position is available at Duke University Medical Center. Applicants must have postdoctoral experience and research interest in the cellular biology of cancer with emphasis in radiation and/or chemical carcinogenesis. Salary commensurate with qualifications. Send curriculum vitae, three letters of reference, and copies of pertinent publications to:

Charles E. Putman, M.D., Chairman and Professor
Department of Radiology
Duke University Medical Center
Box 3808
Durham, N.C. 27710

An Equal Opportunity/Affirmative Action Employer. Applications from minority candidates are encouraged.

Applications are invited for appointment as **ASSISTANT PROFESSOR** in the Environmental Engineering Program. Specialization in biological or physical processes in water and wastewater treatment is desired. Duties will include teaching in both graduate and undergraduate courses as well as development of an active program of research and scholarship. Send curriculum vitae and list of three references to: **Dr. Joseph S. Devinny, Search Committee, BHE, 213, University of Southern California, University Park, Los Angeles, Calif. 90007.** *University of Southern California is an Equal Opportunity/Affirmative Action Employer.*

The Department of Chemistry at Purdue University solicits applications for an **ASSISTANT PROFESSOR** level tenure-track position in any area of **organic chemistry**, effective August 1980. Minimum requirements include a Ph.D. in chemistry and exceptional promise in research and teaching at the undergraduate and graduate levels. Curriculum vitae, including undergraduate and graduate transcripts, a summary of planned research, and three letters of recommendation should be sent by 1 December 1979 to: **Professor D. W. Margerum, Head, Department of Chemistry, Purdue University, West Lafayette, Ind. 47907.** *Purdue is an Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

UNIVERSITY OF GUELPH College of Biological Science DEPARTMENT OF NUTRITION

Applications are invited for the position of **ASSISTANT PROFESSOR OF NUTRITION**. Qualifications required are a Ph.D. with training in experimental nutrition related to the field of aquaculture. The successful applicant will be required to teach aspects of comparative nutrition at the undergraduate and graduate levels, and to supervise graduate students and conduct research on applied and fundamental aspects of fish nutrition. Curriculum vitae and the names of three references should be sent to: **Dr. B. L. Walker, Chairman of Search Committee, Department of Nutrition, University of Guelph, Guelph, Ontario, Canada N1G 2W1** by 1 December 1979. Appointment subject to final budgetary approval.

ASSISTANT PROFESSOR OF PHYSIOLOGY UNIVERSITY OF CALIFORNIA SAN FRANCISCO (UCSF)

The Department of Physiology, UCSF, has an opening for an assistant professor who will participate in and add strength to the Interdisciplinary Graduate Program in Endocrinology on the San Francisco campus. He or she will be expected to develop a research program, attract graduate students and postdoctoral fellows, and interact with and complement current research in endocrinology in the department. We are specifically interested in individuals with expertise in the control of the secretion and cellular actions of hormones such as angiotensin, vasopressin, ACTH, growth hormone, and brain peptides. Applications will be accepted until 1 January 1980. Send curriculum vitae and bibliography to, and arrange to have at least three letters of recommendation sent to:

William F. Ganong, M.D., Chairman
Department of Physiology
University of California
San Francisco, California 94143

UCSF is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

ASSOCIATE PROFESSOR OF MICROBIAL PHYSIOLOGY

A tenure-track position requiring a Ph.D. with a primary research interest in microbial membrane physiology/biochemistry and experience in electron microscopy is now available. Responsibilities include medical and graduate student teaching, independent research, and the supervision of an excellent electron microscopy facility consisting of one scanning and two transmission electron microscopes. Candidates with established research programs are invited to submit research summary, curriculum vitae, and the names of three references to:

Dr. W. L. Myers, Professor and Chairman
Department of Medical Microbiology
and Immunology
Southern Illinois University School of Medicine
P.O. Box 3926
Springfield, Ill. 62708

An Equal Opportunity/Affirmative Action Employer

CHAIRPERSON, Physiology and Biophysics. Ph.D. or M.D. preferred. Candidate must show leadership in research and commitment to education in the health sciences. Send letter of application and copy of curriculum vitae to: **William L. West, Ph.D., Chairman, Physiology Search Committee, Department of Pharmacology, Howard University College of Medicine, Washington, D.C. 20059.** Closing date: 1 November 1979.

CHAIRMAN, BIOLOGY DEPARTMENT, AND DIRECTOR, CENTER FOR MARINE AND ENVIRONMENTAL STUDIES

Experimental biologist with marine biomedical interests and a strong record in sponsored research to direct ten-person biology department and nine-member interdisciplinary research center. Duties in addition to administration of each unit include coordination and stimulation of departmental and center research efforts as well as some teaching. Department has about 150 undergraduate majors and 20 graduate students. Position available as early as January 1980. Letters, résumés, and three letters of reference should be sent to: **Chairman, Search Committee, Biology Department, Williams Hall Number 31, Lehigh University, Bethlehem, Pa. 18015.** *An Equal Opportunity/Affirmative Action Employer.*



DIRECTOR OF RESEARCH Seven Positions Open U.S. Food and Drug Administration

The Food and Drug Administration is presently recruiting for seven **DIRECTOR OF RESEARCH** positions at newly established research centers. The positions will be available in January 1980. The research centers are as follows:

- 1) Elemental Analysis Research Center, Cincinnati, Ohio;
- 2) Total Diet Analysis Research Center, Kansas City, Missouri;
- 3) Pesticide & Industrial Chemicals Research Center, Detroit, Michigan;
- 4) Mycotoxin & Natural Poison Research Center, New Orleans, Louisiana;
- 5) Animal Feed & Tissue Drug Residue Research Center, Denver, Colorado;
- 6) Seafood Products Research Center, Seattle, Washington; and
- 7) Sterility Research Center, Minneapolis, Minnesota.

The fundamental purpose of these centers is to develop, through research, new or improved methods for chemical and microbiological analyses.

The director for each research center is responsible for planning, organizing, and executing a specialized research program, as well as for the efficient management of the center's staff, budget, and associated resources. The individual selected will be responsible for developing a research program to provide the knowledge and technology to detect, measure, and characterize a wide spectrum of chemical and/or microbiological components in regulated areas. The director is the chief scientist of the center and in that capacity is responsible for the development, planning, and direction of the research activity of the center.

The director of each research center should have: in-depth experience as a researcher in an appropriate scientific discipline in the government, academia, or in the private sector; demonstrated ability to plan and manage multidisciplinary research efforts; demonstrated ability or potential to supervise and manage a technical organization; and ability to communicate effectively.

All seven positions have permanent Civil Service status. Salary ranges from \$27,453 to \$42,171 (GS-13/14), depending upon qualifications. Candidates will be evaluated on the basis of their professional training and demonstrated accomplishments. U.S. citizenship required.

To apply, all candidates should submit an extensive curriculum vitae or résumé to: **Kenneth Bransford, Division of Personnel Management (HFA-440), 5600 Fishers Lane, Rockville, Md. 20857.** Applications will not be accepted if received after 1 October 1979. For further information, telephone 301-443-3326.

POSITIONS OPEN

BIOCHEMISTRY—UNIVERSITY OF WYOMING. Two tenure-track assistant/associate level positions are available. Both teaching and research required. Areas of biochemical interest are open. Send résumé, a brief description of proposed research, and names of three references to: **Ivan I. Kaiser, Chairman, Department of Biochemistry, Box 3944, University Station, University of Wyoming, Laramie, Wyoming 82071.** An Equal Opportunity/Affirmative Action Employer.

Ph.D. in BIOCHEMISTRY. With training in cell culture, cell biology, and immunological techniques. Minimum of 6 years of productive postdoctoral research experience. Salary and rank according to qualifications. Reply in writing to:

Dr. E. Reich
The Rockefeller University
1230 York Avenue
New York, N.Y. 10021

ZOOLOGY CHAIRMAN UNIVERSITY OF OKLAHOMA

Twelve-month appointment with rank and salary open. Begins fall 1980. Candidates must have Ph.D. degree and be successful researchers and teachers in a zoological field. In addition, they must have demonstrated administrative and leadership abilities. The principle responsibility of the chairman is administration of the department comprised of 26 faculty members. Some research and/or teaching is also expected. The department has a large undergraduate program with approximately 350 majors. The graduate program, approximately 50 M.S. and Ph.D. candidates, is directed towards the research strengths of the department—behavior, ecology, and physiology. Send curriculum vitae, publications, and names of four references to: **Zoology Chairman Search Committee, Department of Zoology, University of Oklahoma, 730 Van Vleet Oval, Norman, Oklahoma 73019.**

Closing date is 16 November 1979.

The University of Oklahoma is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

CHAIRPERSON Department of Biochemistry The University of Pittsburgh School of Medicine

Applications and nominations are invited for the chairmanship of the Department of Biochemistry, which is also the William S. McEllroy endowed Professorship in Biochemistry. Candidates should be recognized scholars and investigators with demonstrated commitment to medical and graduate education.

Curriculum vitae and bibliography may be submitted to: **Dr. Winton Tong, Department of Physiology, University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania 15261.**

An Equal Opportunity/Affirmative Action Employer

The Geosciences Program, The University of Texas at Dallas, is seeking applications for a tenure-track position beginning spring or fall 1980 in **CARBONATE SEDIMENTOLOGY**. Rank and salary are open. Departmental research facilities of special interest to prospective faculty include SEM, luminescence, automated microprobe, and computer. The position requires a Ph.D. and a commitment to excellence in teaching and research. Duties will include teaching at the upper level undergraduate and graduate levels, supervision of M.S. and Ph.D. student research and research in area of specialty. Preference will be given to scientists with broad interests who will interact with current faculty in clastics, micropaleontology, and sedimentary geochemistry. Applicants should submit a résumé (indication of sex and ethnicity for Affirmative Action statistical purposes is requested but not required), names of three references, and statement of research interest by 1 December 1979 to: **Academic Search Number 213, The University of Texas at Dallas, P.O. Box 688, Richardson, Texas 75080.** The University of Texas at Dallas is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

BIOCHEMIST

Biochemist Ph.D. with experience in immunology for research on mapping of cell membranes and cell separation permanent or postdoctoral position in Los Angeles area. Send résumé to:

**Professional Staffing, Department 378
JET PROPULSION LABORATORY
California Institute of Technology
4800 Oak Grove Drive
Pasadena, Calif. 91103**

An Equal Opportunity Employer, M/F

BIOCHEMISTRY

FACULTY POSITIONS. The Department of Biochemistry invites applications for two new faculty positions at the rank of assistant or associate professor. Salary and rank will depend on qualifications and experience. Preference will be given to individuals with strong research programs and experience in teaching medical and graduate biochemistry. Applications must include curriculum vitae, three references, and future plans; also copies of major publications. Send applications to: **Allan L. Goldstein, Chairman, Department of Biochemistry, The George Washington University School of Medicine, 2300 Eye Street, NW, Washington, D.C. 20037.**

FACULTY POSITION, INORGANIC CHEMISTRY

Applications are invited for a tenured position in the Department of Chemistry at Stanford University. Applicants must have outstanding research credentials in experimental inorganic chemistry and a strong commitment to teaching undergraduates as well as graduates. In applying, send curriculum vitae and bibliography to: **Professor K. O. Hodgson, Department of Chemistry, Stanford University, Stanford, Calif. 94305.** Stanford is committed to Equal Opportunity through Affirmative Action in employment, and we are especially eager to identify minority persons and women with appropriate qualifications. The deadline for receipt of applications is 15 October 1979.

Behringwerke

Wir sind ein namhaftes Unternehmen der pharmazeutischen Industrie mit Sitz in der Universitätsstadt Marburg und gehören zur Hoechst-Gruppe.

Im Rahmen unserer virologischen Forschung entwickeln wir neue Präparate für Therapie und Prophylaxe und suchen deshalb jüngere

Naturwissenschaftler/ Virologen

(Mediziner, Biochemiker, Biologen oder Chemiker)

die über ein virologisches oder immunologisches Thema promoviert haben bzw. bereits seit mehreren Jahren in einem virologischen Institut tätig sind und über entsprechende Erfahrungen verfügen.

Sie sollten etwa 30 Jahre alt sein, gute Englischkenntnisse besitzen und zur Teamarbeit in der Lage sein.

Unsere finanziellen und sozialen Leistungen entsprechen der Bedeutung dieser Position. Die näheren Einzelheiten möchten wir dann ggf. in einem persönlichen Gespräch erörtern.

Bitte richten Sie Ihre Bewerbung zunächst mit ausführlichen Unterlagen an die

**Personalabteilung der Behringwerke AG
Postfach 1140 · 3550 Marburg 1**

BEHRING INSTITUT

S. Behring

POSITIONS OPEN

CHAIRPERSON OF BIOLOGY DEPARTMENT

Northeastern University invites applications for chairperson of biology, to start summer or fall 1980. Department has 21 full-time faculty and 50 more teaching, research, and support staff. It offers undergraduate major; provides courses for undergraduate professional programs; and conducts research and graduate programs in botany, zoology, microbiology, ecology, cell biology, animal physiology, and marine biology. Facilities include more than 35 laboratories, aquarium, animal rooms, animal-care center, EM center, VAX 11/780 computers with departmental terminals, vertebrate museum, herbarium, and large greenhouse. Department is affiliated with university's Marine Science Institute at Nahant. Successful candidate must have excellent research and teaching credentials; administrative experience is desired. Closing date is 30 November. Send résumé with description of ongoing research, funding record, and teaching experience, with names of five references, to: **Biology Chairperson Search Committee, 403 Richards Hall, Northeastern University, Boston, Massachusetts 02115. Equal Opportunity/Affirmative Action/Title IX University.**

CYTOGENETICIST/CELL BIOLOGIST

The Charles R. Drew Postgraduate Medical School is seeking to employ a cytogenetic/cell biologist. This person will develop a cytogenetic laboratory, carry our research grants supported by extramural sources as well as work closely with clinical and basic science faculty to increase the scientific base at this institution. Teaching responsibilities.

Applications from all qualified candidates welcome; minorities and women encouraged to apply. Submit complete curriculum vitae and three references to: **Lawrence J. Alfred, Ph.D., Building D, 1621 East 120 Street, Los Angeles, Calif. 90059.**

EMORY UNIVERSITY

DEAN OF THE GRADUATE SCHOOL OF ARTS AND SCIENCES

Emory University is seeking to fill the position of Dean of the Graduate School of Arts and Sciences. The dean is the principal administrative officer of the school, presides at meetings of the Graduate School's Executive Committee, and administers a budget of approximately \$2 million, primarily in student support.

Previous administrative experience is desirable but a record of continuous and productive scholarship is essential. Names of nominees or letters of application should be sent to:

**Charles T. Lester, Chairman
Graduate Dean Search Committee
Emory University
Atlanta, Georgia 30322**

Emory University is an Equal Opportunity/Affirmative Action Employer.

DEAN, SCHOOL OF BIOLOGICAL SCIENCES

The University of California, Irvine, invites applications for the position of Dean of the School of Biological Sciences and professor of biological sciences. The dean has academic and administrative responsibility for the school and reports to the executive vice chancellor. Preference will be given to those whose research areas complement those of the existing faculty. Candidates for the position should have a strong background in research and teaching suitable for an appointment as full professor in the University of California and demonstrated administrative experience.

All qualified applicants are welcome; women and minorities are encouraged to apply. To ensure consideration, applications, including complete curriculum vitae, list of publications, and names of three references, should be submitted no later than 15 October 1979 to:

**Professor Everly B. Fleischer, Chair
Dean Search Committee
School of Physical Sciences
University of California, Irvine
Irvine, California 92717**

DEVELOPMENTAL BIOLOGIST—An assistant professorship (tenure-track) is available starting September 1980. Primary duties include teaching and research in molecular and cellular aspects of development. Applicants should send curriculum vitae, reprints, and three letters of recommendation to: **Development Search Committee Chairperson, Division of Biological Sciences, University of Michigan, Ann Arbor, Michigan 48109** by 10 November 1979. A nondiscriminatory, Affirmative Action Employer.

POSITIONS OPEN

DEVELOPMENTAL BIOLOGIST

The Department of Biology at Washington University in St. Louis plans to appoint an additional faculty member in developmental biology, to begin July 1980, whose research interests focus on the differentiation of metazoan cells or tissues. Applications are solicited from individuals who have demonstrated exceptional competence in research beyond the doctorate and are interested in undergraduate and graduate teaching. Although it is anticipated that most applicants will be at a junior level, applications from senior individuals will be welcomed. Send curriculum vitae and a description of present and future research interest, and request three letters of reference to be sent to: **Dr. Ursula Goodenough, Department of Biology, Washington University, St. Louis, Mo. 63130. An Equal Opportunity/Affirmative Action Employer.**

DIRECTOR OF ENERGY, ENVIRONMENT AND RESOURCES CENTER (EERC), THE UNIVERSITY OF TENNESSEE, KNOXVILLE. Qualifications include experience in solicitation and administration of grants, interest in policy issues, Ph.D. (or equivalent), and suitability for tenure in related academic department. Nomination deadline: 26 September 1979; application deadline: 10 October 1979. Application must include résumé, names and addresses of three to five references, and statement of special qualifications for position. Nominations, applications, or inquiries should be addressed to: **Dr. John R. Moore, Chairperson, EERC Search Committee, 716 Stokely Management Center, The University of Tennessee, Knoxville, Tenn. 37916.**

The University of Tennessee is an Equal Opportunity/Affirmative Action Employer.

DIRECTOR, Human Biology Program at Stanford University. Person with demonstrated research productivity, interested in undergraduate teaching, with organizational skills to administer large program integrating biological and behavioral sciences, with some policy emphasis. Half-time in Human Biology Program, half-time in biologically related department in which applicant's experience merits tenure appointment as associate or full professor. Begin appointment 1 September 1980. *Affirmative Action Employer.* Application deadline: 15 October 1979. Send curriculum vitae to: **Sanford M. Dornbusch, Human Biology, Stanford University, Stanford, Calif. 94305.**

EUKARYOTIC CELL BIOLOGIST, ASSISTANT PROFESSOR, tenure-track, to participate in undergraduate and graduate teaching and research activities in the Department of Biological Sciences. Responsibilities include development of a strong research program and participation in a newly approved interdisciplinary Biomedical Sciences Doctoral Program. Ph.D. degree required and postdoctoral experience desirable.

Applicants should send curriculum vitae, statement of professional objectives, and names of three references to:

**Chairman
Department of Biological Sciences
Wright State University
Dayton, Ohio 45435**

Deadline date is 15 October 1979.

An Equal Opportunity/Affirmative Action Employer

FACULTY POSITION—Geochemistry or related field. Ph.D. required. A tenure-track position is open in the Science Division at Governors State University (GSU) to teach undergraduate and graduate (master's) students. Must have background in organic geochemistry, chromatography, and the chemical analysis of soils and/or sediments. Two years of teaching and/or research experience relating geochemical principles to contemporary environmental problems is desired. Will be expected to supervise students research projects in the candidate's own area of expertise. Laboratory space, gas chromatographs, and a GC/MS are available. Starting date is 1 January 1980. Salary is negotiable. Send résumé (three copies) to:

**Dr. Ronald L. Brubaker, Chairman
Science Division
College of Arts and Sciences
Governors State University
Park Forest South, Illinois 60466**

Applications must be received by 15 October 1979:

The University is an upper-division commuter institution located 30 miles south of the Chicago loop. GSU is an Affirmative Action/Equal Opportunity Employer. Applications are encouraged from women and minorities.

POSITIONS OPEN

UNIVERSITY OF CHICAGO FACULTY POSITIONS IN CELL OR TISSUE BIOLOGY

The Department of Biology invites applicants for two faculty appointments from individuals with research interests in cell or tissue biology. Applicants should have demonstrated aptitude to develop independent research programs, and willingness to participate with others in a course in cell and tissue biology for freshman medical students. Send curriculum vitae, bibliography, and reference names and addresses to: **Dr. Hewson Swift, Department of Biology, University of Chicago, 1103 East 57 Street, Chicago, Illinois 60637.**

The University of Chicago is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION IN CLINICAL CHEMISTRY, Division of Medical Technology, Department of Laboratory Medicine and Pathology, University of Minnesota. Available 1 January 1980. Doctorate degree and clinical laboratory experience required. Teaching experience desirable. Responsibilities include teaching clinical chemistry to undergraduate and graduate students in large medical technology program, conducting research, supervising section of clinical chemistry laboratory. Level of appointment and salary dependent on qualifications. Send résumé to: **Professor Donna J. Blazejcz, University of Minnesota, Box 198 Mayo Memorial Building, 420 Delaware Street, SE, Minneapolis, Minnesota 55455.**

The University of Minnesota is an Equal Opportunity Educator and Employer.

FACULTY POSITION

The Department of Clinical Engineering of The George Washington University Medical Center is seeking an assistant professor who will participate in its research and teaching activities. Applicants should have a doctoral degree either in computer science with experience and interest in artificial intelligence in medicine and modeling of physiological systems; or a doctoral degree in biomedical engineering with experience and interest in medical instrumentation, microprocessors, and applications of computers to medicine as applied to ambulatory care.

Candidates should send curriculum vitae, list of publications, and the names and addresses of three references to: **Dr. William S. Yamamoto, Professor and Chairman, Department of Clinical Engineering, The George Washington University Medical Center, 2300 K Street, NW, Washington, D.C. 20037, telephone: 202-676-3871.**

The George Washington University is an Equal Opportunity/Affirmative Action Employer.

FISH POPULATION BIOLOGIST

Assistant professor (tenure-track) to conduct research on the population biology of freshwater or anadromous fishes, to teach a course on dynamics of populations of wildlife and fish, and to participate in a fisheries field course and an introductory course for nonmajors in wildlife and fisheries. Ph.D. in an appropriate field required. Applicants should send curriculum vitae, abstract of dissertation, transcripts, reprints, a description of their research interests and plans, and names and addresses of three references to: **Search Committee, Division of Wildlife and Fisheries Biology, University of California, Davis, Calif. 95616.** Applications must be received by 15 October 1979. *The University of California is an Equal Opportunity/Affirmative Action Employer.*

GEOPHYSICIST

The Department of Earth Sciences, Case Western Reserve University, has an opening for an individual to develop a teaching and research program in geophysics. Field of specialization is open, but applicants should have sufficient experience to teach applied geophysics at the undergraduate and graduate levels. Ample opportunities exist for research collaboration both within the Department of Earth Sciences and with faculty members in the School of Engineering.

Ph.D. or equivalent is required. Please submit applications, consisting of résumé, names of three references, and a statement of research and teaching interests to:

**Samuel M. Savin
Department of Earth Sciences
Case Western Reserve University
Cleveland, Ohio 44106**

Case Western Reserve University is an Equal Opportunity/Affirmative Action Employer.

RHEOLOGIST

Ph.D. with some post-doctorate training or industrial experience and biochemical background to study the basic rheological properties of food systems and ingredients. Opportunity to do basic research in an industrial environment and witness the practical application of results.

Excellent laboratory facilities in a convenient suburban location. Please write to:

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ASSOCIATE (D-41)
GENERAL FOODS CORPORATION
Technical Center
555 So. Broadway
Tarrytown, NY 10591

An Equal Opportunity
Employer M/F/Hc.

Product Development Analytical Biochemist

A highly skilled analytical biochemist is needed to assist in the development of new research products for the Pilot Division of NEN at our Westwood, MA facility. The successful candidate must be able to carry out product development assignments with a minimum of supervision from the early exploratory stages through market introduction. Responsibilities will also include the conception of new product ideas and the preparation of project proposals.

The desired qualifications for this position include: MS or PhD in life science field with experience in analytical biochemical methodologies, specifically protein and nucleotide separation and isolation, and tracer methodology.

NEN offers competitive salaries and excellent benefits, including health/life insurance, profit sharing and relocation. Interested applicants should send a resume to Ann Magno, New England Nuclear Corp., 549 Albany Street, Boston, MA 02118.

NEN New England Nuclear
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an equal opportunity employer

Department Head Position

Nominations and applications are invited for the position of Head, Electrical Engineering Department, Carnegie-Mellon University. Qualifications sought include earned doctorate, established reputation in Electrical Engineering, experience in teaching and education, leadership and administrative abilities. Candidates should qualify for the rank of Full Professor. Applications, including resume, list of publications and references should be received prior to November 15, 1979.

Contact:

Dr. M.H. Kryder
Chairman, Search Committee
Electrical Engineering
Department
Carnegie-Mellon University
Pittsburgh, PA 15213

Carnegie-Mellon University is an Equal Opportunity Employer.

Executive Producer

NOVA

WGBH-TV, one of the nation's leading public television stations, is looking for an Executive Producer for the NOVA series.

NOVA, the premier science program, is the only regular series with the length of air time and editorial latitude necessary to treat science subjects in depth.

The Executive Producer is responsible for selecting the subjects for the 20 new NOVA programs each year; appointing and training staff; and controlling and being accountable for a \$3 million budget.

The Executive Producer must have a demonstrated interest in and knowledge of science. An advanced science degree would be helpful. Candidates must have a proven record and considerable experience in TV production as well as the ability to manage a creative production staff of 25 people. Since the Executive Producer will be instrumental in arranging international co-productions, international experience and contacts would be an advantage. Salary negotiable.

Forward cover letter, resume, with relevant experience only, and salary history to: WGBH, Personnel Department, (A-13), 125 Western Avenue, Boston, MA 02134. An Equal Opportunity Employer.

POSITIONS OPEN

FOOD ENGINEER. ASSISTANT PROFESSOR: 50 percent teaching in undergraduate and graduate courses; 50 percent research. Ph.D. required with undergraduate or graduate degree in food, agricultural, chemical, or mechanical engineering. Send résumé, transcripts, and three letters of reference to: **Dr. William W. Marion, Department of Food Technology, Iowa State University, Ames, Iowa 50011.**

An Equal Opportunity/Affirmative Action Employer

GROSS ANATOMIST

The Department of Anatomy, University of Virginia, is seeking a junior faculty member with teaching responsibility in the gross anatomy course. The candidate is expected to have an active research interest, preferably in developmental biology. Interested persons should send their curriculum vitae and an outline of their research goals to: **Chairman, Department of Anatomy, Box 439, University of Virginia Medical Center, Charlottesville, Virginia 22908.**

An Equal Opportunity/Affirmative Action Employer

TEXAS A & M UNIVERSITY

The Department of Mathematics at Texas A & M University invites nominations and applications for the position of **DEPARTMENT HEAD**. The starting date for the position is negotiable but must be before 1 August 1980.

The applicant should have an outstanding research record, commitment to excellence in teaching, and demonstrated administrative ability to provide strong leadership for a broadly based department.

Texas A & M, the largest technical university in the state, currently has an enrollment of 30,000 students, of which 5000 are pursuing advanced degrees. The 60 faculty members of the Department of Mathematics are active in research and in the teaching of service courses. The department offers B.S., B.A., M.S., and Ph.D. degree programs in mathematics and jointly with the Institute of Statistics a B.S. program in applied mathematical sciences.

Applicants should send complete curriculum vitae and names of three references by 30 November 1979 to:

**Mathematics Head Search Committee
Office of the Dean
College of Science
Texas A & M University
College Station, Texas 77843
Equal Employment Opportunity
through Affirmative Action**

IMMUNOLOGIST/MICROBIOLOGIST

Faculty appointment, tenure-track. Ph.D. required, postdoctoral experience in immunochemistry of cell receptors preferred, not excluding marine or neural interests. Strong background in general microbiology. To establish independent research program and collaborate with other investigators. Teaching in advanced general microbiology and specialty area. Submit curriculum vitae, statement of research interests, and three letters of recommendation by 1 January 1980 to:

**Bernard C. Abbott, Ph.D., Chairman,
Department of Biological Sciences
UNIVERSITY OF SOUTHERN CALIFORNIA
University Park
Los Angeles, California 90007**

An Equal Opportunity/Affirmative Action Institution

NEUROBIOLOGIST

Applications are invited for a tenure-track position at the level of assistant professor. We are particularly, but not exclusively, interested in applicants with research interests in the development of simpler nervous systems. The successful candidate will be expected to establish an active research program, and to teach at the graduate and undergraduate level. The department offers wide interdisciplinary contacts, including the University of Southern California (USC) Neuroscience Group, the USC Medical Center, and the Catalina Island Marine Science Center. Applicants should send curriculum vitae, statement of research plans and interests, and three letters of recommendation by 16 November 1979 to:

**W. O. McClure, Director
Section of Cellular Biology
Department of Biological Sciences
UNIVERSITY OF SOUTHERN CALIFORNIA
Los Angeles, California 90007**

An Equal Opportunity/Affirmative Action Institution

POSITIONS OPEN

HEAD, CHEMICAL ENGINEERING DEPARTMENT

Nominations and applications are invited for the position of head, Chemical Engineering Department, Carnegie-Mellon University. Qualifications sought include earned doctorate, established reputation in chemical engineering, experience in teaching and education, and leadership in academic, technical, and professional societies. High level of administrative competence is highly desirable. Candidates should qualify for the rank of full professor. Applications, including résumé, list of publications, and references, should be received prior to 15 November 1979. Contact:

**Dr. Arthur W. Westerberg
Head, Search Committee
Department of Chemical Engineering
Carnegie-Mellon University
Pittsburgh, Pa. 15213**

Carnegie-Mellon University is an Equal Opportunity Employer.

HERPETOLOGIST

HARVARD UNIVERSITY seeks to make a tenure-track appointment in herpetology of an assistant or associate professor in the Department of Biology who will serve conjointly as an assistant or associate curator in the Museum of Comparative Zoology. Preference will be given to candidates with: (i) a strong research program in herpetology, (ii) ability to offer instruction at the undergraduate and graduate levels, and (iii) commitment to supervise and enhance a major herpetological collection. The closing date for receipt of applications is 15 October 1979, and the appointment will take effect 1 July 1980. Applicants should send curriculum vitae, statement of research interests, and names of three references to: **Herpetology Search Committee, Office of the Chairman, Department of Biology, Harvard University, Cambridge, Massachusetts 02138. Harvard is an Equal Opportunity/Affirmative Action Employer.**

INHALATION TOXICOLOGIST

Monsanto Company has an immediate opening at its new Environmental Health Laboratory for a Ph.D. inhalation toxicologist. The successful candidate should have experience with inhalation equipment and procedures. If you would enjoy being associated with this expanding facility in the area of product safety research, please forward your résumé in confidence to: Dr. P. R. Schenkenberg, Department CL-644-P, Monsanto Company, 800 North Lindbergh Boulevard, St. Louis, Mo. 63166.

Monsanto

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Applications are invited for a **LABORATORY INSTRUCTOR POSITION** in physiology at Purdue University, available 15 December 1979. This fixed-term position requires a Ph.D. and involves teaching physiology to graduate and medical students. Research opportunity can be arranged in conjunction with existing laboratories in visual, muscle, or synapse physiology. Send curriculum vitae with three references to:

**Dr. William L. Pak
Department of Biological Sciences
Purdue University
West Lafayette, Ind. 47907**

An Affirmative Action/Equal Opportunity Employer

POSITIONS OPEN

INSTRUCTOR—EAST TENNESSEE STATE UNIVERSITY, COLLEGE OF MEDICINE, DEPARTMENT OF PHARMACOLOGY. Ph.D. with background in medicinal chemistry/mass spectroscopy to assume responsibility as gas chromatography/mass spectrometry operator in clinical pharmacology-toxicology laboratory. Appointee will be expected to participate in the instruction of medical and graduate students. Send résumé and three reference letters to: **Ernest A. Daigneault, Ph.D., Chairman, Department of Pharmacology, East Tennessee State University, College of Medicine, P.O. Box 19,810A, Johnson City, Tennessee 37601.**

East Tennessee State University is an Equal Opportunity/Affirmative Action Employer, M/F.

UNIVERSITY OF MICHIGAN

Full-time appointment as **INSTRUCTOR OR ASSISTANT PROFESSOR** to serve as one of three supervising and attending psychiatrists on 24-bed inpatient ward of University Hospital. To lead interdisciplinary team, supervise residents, teach medical students, and participate in ongoing clinical research. Evidence of research and teaching skills is essential. Appointment may entail part-time association with our psychiatric consultation program. Send curriculum vitae to: **Richard Ketel, M.D., Department of Psychiatry, University Hospital, Ann Arbor, Michigan 48109; telephone 313-763-4383. Code 600F0. A nondiscriminatory, Affirmative Action Employer.**

University of California, Irvine, Department of Pediatrics, is recruiting for a **MEDICAL GENETICIST** at the assistant or associate professor (line or in-residence) level. Requirements: expertise in biochemical genetics. Duties include clinical management of inborn errors of metabolism; instruction to medical and allied health professionals; research; and participation in departmental academic activities. *All qualified candidates welcome; women and minorities encouraged to apply.* Send curriculum vitae and three references to: **Kenneth W. Dumars, M.D., Professor, Pediatrics Department, University of California, Irvine, Irvine, Calif. 92717. Application closing: 22 October 1979.**

PATHOLOGIST—INDIANA UNIVERSITY SCHOOL OF MEDICINE

Faculty member to teach the pathology course for second year medical students at the Evansville Center beginning August 1980. Rank commensurate with qualifications. Excellent facilities available to support research. Opportunities for collaborative projects. Teaching and postdoctoral experience desirable. Position available after 1 January 1980. Send curriculum vitae and the names of three references by 1 November 1979 to:

**Dr. Edward J. Gesser, Chairman
Search and Screen Committee
Evansville Center for Medical Education
Indiana University School of Medicine
P.O. Box 3287
Evansville, Indiana 47732**

An Equal Opportunity/Affirmative Action Employer

PEDIATRIC ONCOLOGIST, assistant professor for teaching and clinical research in major southeastern Pediatric Department. Board-eligibility in pediatrics and hematology-oncology required. Interest in research in immunology and oncology. Cancer Research Center, or cancer epidemiology preferred. Send letter of inquiry and curriculum vitae to: **John K. Whisnant, M.D., Department of Pediatrics, University of North Carolina, Chapel Hill, N.C. 27514. An Equal Opportunity/Affirmative Action Employer.**

PHYTOPLANKTON ECOLOGIST

A postdoctoral position in an interdisciplinary group studying frontal processes in shallow seas will become available (subject to funding) in January 1980. Field experience in continuous sampling methodology, phytoplankton counting, and ¹⁴C productivity measurements essential. Familiarity with automated nutrient analyses and computer programming desirable. Salary: \$16,000 per annum.

Send résumé and names of three references to:

**Dr. Malcolm J. Bowman
Marine Sciences Research Center
State University of New York at Stony Brook
Stony Brook, N.Y. 11794
Telephone: 516-246-8306/7710**

Fermentation Microbiologist

Leading specialty chemical manufacturer requires a Microbiologist for fermentation-related research. Responsibilities include improvement of fermentation efficiency by physiological manipulation of micro-organism and optimization of general fermentation methods in bench scale.

Position requires MS or PhD or equivalent in Microbiology, with a strong background in Biochemistry. Up to 3 years experience in fermentation technology is desirable. Submit resume and salary requirements to:

RUTH MARQUIS
Personnel Dept.

8355 Aero Drive
San Diego, CA 92123

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Employer (Male/Female)

MEMBRANE PHARMACOLOGIST

The Laboratory of Pharmacology, National Institute of Environmental Health Sciences, National Institutes of Health, Public Health Service invites applications for an expert membrane pharmacologist or physiologist to examine mechanisms of altered membrane function caused by environmental chemicals. The position requires a PhD degree or the equivalent training and experience in chemistry, pharmacology, physiology, toxicology, or a related area, and proven research experience in one or more of the following areas: membrane electrophysiology, membrane vesicle preparations, or membrane permeability and ion transport in neuronal tissues. This position is part of an interdisciplinary group using a comparative approach, in which marine vertebrate and invertebrate models are used in conjunction with mammalian studies. A strong background in comparative pharmacology or physiology and the biology of lower vertebrates or invertebrates would be very valuable, but is not required. This appointment will be for an initial period of two years. Salary may range from \$27,500 and up dependent upon qualifications.

Applicants should send curriculum vitae with bibliography by October 22, 1979, to:

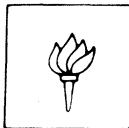
Mrs. Barbara A. Gowan
Laboratory of Pharmacology
NATIONAL INSTITUTE OF
ENVIRONMENTAL HEALTH SCIENCES
P.O. Box 12233
Research Triangle Park, NC 27709

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Staff Associate Interschool Coordination

Primary responsibility will be the coordination of interschool academic programs and research proposal development. Duties will include serving as coordinator of cross-school committees for varied special projects, aiding faculty and administrators in development of interschool projects and preparation of programs and proposals, serving as Secretary for University commissions including the Research Challenge Fund Committee, and writing proposals.

Requirements include advanced degree with good knowledge of the hard sciences, strong experience in research and in coordinating multi-faceted projects. Proven ability to work effectively with scholars of diverse backgrounds, administrators and Federal program directors. Excellent writing skills essential. Experience with Federal funding mechanisms and university management procedures helpful. Send resume with salary requirements to:



NEW YORK UNIVERSITY

Office of Academic Affairs
Elmer Holmes Bobst Library
70 Washington Square S.
New York, New York 10012
Attn: Ms. Waka Dannenhaur
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CLINICAL PHARMACOLOGIST

The Squibb Institute For Medical Research

We have a challenging opening in our Princeton, New Jersey laboratories for an experienced clinical pharmacologist to participate in our new drug development program. The main thrust of our research effort is in the cardiovascular, anti-inflammatory (systemic and topical) and anti-infective areas. A clinical pharmacology unit, affiliated with a local medical center, is available for the conduct of human investigation. The position also carries with it the opportunity to work closely with preclinical scientists at all levels.

Candidates should hold an M.D. degree and ideally have 2 or more years of research experience in an industrial or academic setting with a strong record of achievement including publication in referred journals.

The position offers excellent salary, benefits and opportunity for advancement.

Please send curriculum vitae and complete details of your experience including salary history, in confidence, to: Mr. J. R. Convery



E. R. Squibb & Sons, Inc.
Department DNM
P.O. Box 4000
Princeton, New Jersey 08540

SQUIBB

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POSITIONS OPEN

POSITIONS OPEN

POSITIONS OPEN

Environmental Chemist

Environmental consulting firm has immediate opening for a self-motivated individual to head a growing analytical laboratory. Familiarity with EPA, APHA, and ASPM protocol for analysis of water, wastewater, sediments and fish tissue is required. Experience with GC, MS, AA, UV, and LC is preferred. Supervision and coordination of present staff of four to six chemists and technicians, plus some public contact are required. We offer competitive salary, extensive fringe benefits, and opportunity to share in growth of firm for a responsible and assertive individual who has a minimum of an M.S. degree in chemistry and 3 to 5 years of experience. Send résumé and salary requirements with availability to: Personnel Department,

Lawler Matusky & Skelly Engineers
1 Blue Hill Plaza, Pearl River, New York 10965
Equal Opportunity Employer, M/F

MOLECULAR BIOLOGY AND IMMUNOLOGY OF TRYPANOSOMES. A program for the study of antigenic variation in African trypanosomes anticipates the possibility of several openings at the level of graduate students, postdoctoral fellows, and technical staff. Aspects of study include: (i) the molecular basis of antigenic variation, (ii) antigenic analysis and production of monoclonal antibodies, and (iii) response of the host immune system to parasitic invasion. Experience in either immunology, recombinant DNA technology and/or protein biochemistry are desirable. Please submit curriculum vitae with statement of research goals and three letters of recommendation by 1 October 1979 to: **Dr. Nina Agabian, Department of Biochemistry SJ-70, University of Washington, Seattle, Wash. 98195.** *An Affirmative Action/Equal Opportunity Employer.*

NEUROPHYSIOLOGIST

The Department of Physiology, University of North Carolina School of Medicine, invites applications for one or more tenure-track or research positions from persons actively engaged in innovative research on synaptic mechanisms. Preference will be given to applicants for assistant professor, although more senior individuals will be considered. A doctoral degree and a minimum of 2 years of postdoctoral research experience are required. Teaching of systemic mammalian physiology is expected and expertise in CNS mechanisms advantageous. First consideration will be given to complete applications received by 20 October 1979. Only written applications will be accepted. Candidates should send complete curriculum vitae, including teaching experience and a summary of research plans, and arrange to have three letters of recommendation sent to: **Neurophysiology Search Committee, Department of Physiology 206H, University of North Carolina, Chapel Hill, N.C. 27514.** *An Equal Opportunity/Affirmative Action Employer.*

PEPTIDE CHEMIST

Responsible for peptide synthesis in an endocrine research laboratory. At least 4 years of experience are required in the field of solid and liquid phase peptide synthesis and familiarity with brain peptide chemistry and biology. Salary according to qualifications. Send curriculum vitae and three letters of recommendations to:

Dr. Fernand Labrie
Molecular Endocrinology Laboratory
Le Centre Hospitalier de l'Université Laval
2705 Laurier Boulevard
Québec, Canada G1V 4G2

POSTDOCTORAL POSITION IN IMMUNOLOGY. Research involves study of immunologic aspects of multiple sclerosis and experimental allergic encephalitis. Recent Ph.D. in immunology preferred. Write: **Lynn E. Spittler, M.D., University of California Medical Center, San Francisco, California 94143.**

POSTDOCTORAL POSITION. Available immediately for up to 3 years. Biochemistry/pharmacology background. Study of cultural normal and neoplastic hepatic cell lines with emphasis on antifolate transport, metabolism, and cell resistance. Salary: \$11,500 to \$14,000 depending on experience. Send résumé to: **Dr. John Galian, Division of Laboratories and Research, New York State Department of Health, Empire State Plaza, Albany, New York 12201.**

PHYSIOLOGIST

The Neurosurgical Service of the Massachusetts General Hospital is seeking a smooth muscle physiologist, at the assistant professor level. Candidates should have a strong training in the basic physiology of smooth muscle, including the control of its contraction and its energetics; and must have experience with modern in vitro techniques. Several years of postdoctoral experience are a prerequisite. Candidates should forward curriculum vitae to: **Dr. Nicholas T. Zervas, Chief, Neurosurgical Service, The Massachusetts General Hospital, Boston, Mass. 02114.**

PLANT VIROLOGIST. Assistant professor for research (70 percent) and teaching (30 percent) in plant virology-epidemiology. Position available 1 December 1979. Salary from \$18,000 for fiscal (11-month) year, depending upon experience and qualifications. Ph.D. in plant pathology required. Application deadline: 1 October 1979. Send curriculum vitae and three references to:

Dr. Douglas Gelin
Chairman, Botany/Plant Pathology
University of Maine
Orono, Maine 04469

The University of Maine is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL APPOINTMENT IN PRODUCT SAFETY AND RELIABILITY

Unique opportunity in the Carnegie-Mellon University Department of Engineering and Public Policy for developing research directions in hazard and risk analyses related to product safety and reliability. Mechanical engineering background preferred. Send résumé to: **Alvin S. Weinstein, Professor of Mechanical Engineering and Public Policy, Carnegie-Mellon University, Pittsburgh, Pennsylvania 15213 or telephone: 412-578-2509.**

POSTDOCTORAL FELLOW OR RESEARCH ASSOCIATE to participate in studies of molecular events in RBC differentiation and development, including studies of nucleic acid synthesis, production of globin and nonglobin proteins, and iron metabolism. Applicant should have experience with biochemical methods for analysis of nucleic acids or protein synthesis. Salary range: \$11,500 to \$14,000, depending upon experience. Send curriculum vitae, including three references, to:

Dr. Joseph A. Grasso
Department of Anatomy
University of Connecticut Health Center
Farmington, Connecticut 06032

POSTDOCTORAL POSITION is available for studying variants of α_1 -antitrypsin. Applicants with a background in glycoproteins, proteins and/or protease inhibitors should send résumé, reprints, and names of three references to:

Dr. A. Hercz
Research Institute
Hospital for Sick Children
555 University Avenue
Toronto, Ontario, Canada M5G 1X8

POSTDOCTORAL POSITION available immediately for studies involving chemical and nutritional modification of membrane structure and function. Applicant must have a strong background in biochemistry. Send curriculum vitae and names of three references to: **Dr. Albert Y. Sun, Sinclair Comparative Medicine Research Farm, University of Missouri, Columbia, Mo. 65201.**

POSTDOCTORAL POSITION

Position available for individual interested in areas of gene structure and regulation or molecular mechanisms of site-specific recombination: previous experience with, or desire to learn, DNA cloning, nucleic acid biochemistry, genetics, or in vitro systems. Please send résumé with desired starting date and list of three references to: **Arthur Landy, Division of Biology and Medicine, Brown University, Providence, R.I. 02912.** *An Equal Opportunity/Affirmative Action Employer.*

POSTDOCTORAL POSITIONS, now open in any of current faculty projects: circulatory, renal, or stress causes of hypertension; renal regulation of electrolytes; gastrointestinal transport and metabolic changes in hyperosmotic states. Salary, \$12,000 to \$14,000; second year option. May include some teaching and personal research. Send curriculum vitae, three references, and statement of interests to: **S. N. Kolmen, Ph.D., Chairman, Physiology, Wright State University School of Medicine, Dayton, Ohio 45435.**

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POSTDOCTORAL POSITIONS. Two recent Ph.D. graduates required to join research group working on plant protein utilization. An **enzymologist** with experience preferably in cereal chemistry or plant physiology is needed for characterization of lipase in high-protein oats during maturation and storage. A **microchemist** experienced in stain development is needed to study localization of phytate, glucosinolates, and so forth, in rapeseed. Recent Ph.D. graduate in microbiology or fermentation required to study semi-solid substrates for heavy metal concentration in fungi, and industrial enzyme production. Collaboration with industry and/or Food Research Institute. Salaries: \$12,200 to \$16,000. Several predoctoral stipends also available to study oat protein fractionation, rapeseed microchemistry, protein-phenol interactions, and hybrid poplar Fraction-1 Protein. Contact: **Dr. I. Altosaar, Department of Biochemistry, University of Ottawa, 40 Somerset Street East, Ottawa, Ontario, Canada K1N 6N5.**

A POSTDOCTORAL POSITION available to study various aspects of comparative muscle structure, physiology, or biochemistry. Individual to work with group examining the phenomenon of thick filament shortening seen in several invertebrate muscles. Position requires Ph.D. preferably with experience in some aspect of muscle research. Salary: \$13,000 to \$16,000, depending on experience. Please send curriculum vitae and names of three references to: **Dr. M. M. Dewey or Dr. B. Walcott, Anatomical Sciences, Health Sciences Center, State University of New York at Stony Brook, Long Island, New York 11794.** *An Equal Opportunity/Affirmative Action Employer.*

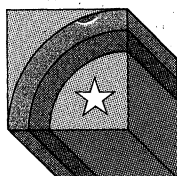
POSTDOCTORAL POSITION available immediately to study eukaryotic developmental gene regulation. Ph.D. degree in biochemistry, molecular biology, or genetics required. Experience with recombinant DNA methods desirable. Salary: \$11,000 per year. The initial appointment is for 1 year, but may extend up to 3 years. Send curriculum vitae and names of three references to: **Dr. William E. Timberlake, Department of Biological Sciences, Wayne State University, Detroit, Mich. 48202.**

POSTDOCTORAL POSITION. Fall/winter 1979. Research in cell motility and division. Training in molecular biology, electron microscopy, or somatic cell genetics. Send curriculum vitae and references to: **Dr. Arthur H. Lockwood, University of North Carolina, School of Medicine, Swing Building, Chapel Hill, North Carolina 27514.**

A 1- to 3-year POSTDOCTORAL POSITION for an **organic/medicinal chemist** is available at the Mayo Foundation. The research program involves investigation of novel routes to antheridiol, a fungal hormone, and is directed toward the synthesis of radio-labelled hormone for receptor studies. The appointment requires synthetic experience and initiative; it will provide training in radiosynthetic methods and steroid chemistry; training in hormone receptor methods is also possible. Work will be done in a stimulating atmosphere with an interdisciplinary group. For further information, write: **G. L. Carlson, Ph.D., or D. O. Toft, Ph.D., Mayo Clinic and Mayo Foundation, Rochester, Minnesota 55901.**

Mayo Foundation is an Equal Opportunity/Affirmative Action Institution.

Clinical Associate in Genetics at NIH



The Genetics and Biochemistry Branch, National Institute of Arthritis, Metabolism and Digestive Diseases, National Institutes of Health, is offering a two-year clinical associateship in Genetics. Applicants should be M.D.s with two years of clinical experience. Research experience is preferred. Applications are being accepted now for appointments which begin July 1980.

The Clinical Associate will participate in the NIH Inter-institute Genetics Clinic as well as carry out research in basic molecular genetics involving recombinant DNA techniques.

A competitive salary is available for candidates qualifying for appointment in the Commissioned Corps, United States Public Health Service. A portion of the salary is tax exempt, moving and travel expenses are paid and health care is free in the Corps. A comparable civilian fellowship is also available.

For further information and an application form, write to:

The Associate Program
Bldg. 31, Room 4B04
National Institutes of Health
Public Health Service
9000 Rockville Pike
Bethesda, MD 20205.

An NIH Associate Training Program
An Equal Opportunity Employer

J. ROBERT OPPENHEIMER RESEARCH FELLOWSHIPS

The Los Alamos Scientific Laboratory announces the competition for the 1980 J. Robert Oppenheimer Postdoctoral Fellowship to become available about mid-year. Named in honor of the first Director of the Los Alamos Scientific Laboratory, the appointments are designed to foster continuing contacts between the Laboratory and recent recipients of doctoral degrees who show clear and definite promise of becoming outstanding leaders in scientific research.

RESEARCH AREAS Appointments are considered in many areas of physics, chemistry, mathematics, computer science, biology, materials science, environmental health, geoscience, and engineering.

DURATION One or two years, with possibility of renewal for a third year.

STIPEND \$27,000 per year (12 months). Fringe benefits and incoming travel and moving expenses are provided.

ELIGIBILITY Candidates may be persons just completing their doctoral work, as well as those finishing a current postdoctoral appointment, or junior faculty members seeking support for a period of concentrated research.

PROCEDURES Applications for these fellowships must be submitted by December 31, 1979. Following a preliminary review, candidates whose professional qualifications are judged to be superior will be notified and asked to collaborate with appropriate Laboratory Staff Members in preparing a research proposal primarily reflecting the candidates' ideas and interests. Final selection of a fellowship recipient is based on the merits of the proposed research and the ability and accomplishments of the candidates.

THE LABORATORY Operated by the University of California for the Department of Energy, the Laboratory provides excellent working conditions and opportunities for advanced research. Our location in the mountains of northern New Mexico offers a pleasing lifestyle in a setting of great natural beauty.

Send resume and supporting documents or request application from:

Madeline Lucas
DIV—79-XX
Los Alamos Scientific Laboratory
P. O. Box 1663
Los Alamos, New Mexico 87545

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University of California



LOS ALAMOS SCIENTIFIC LABORATORY

POSTDOCTORAL RESEARCH AWARDS

The National Research Council will make over 200 new awards in 1980 for research in federal laboratories throughout the United States. The NRC Research Associateship Programs provide awardees with opportunities to conduct experimental or theoretical research as visiting scientists and engineers in fields of

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Some of the 16 programs are open to non-U.S. nationals; some are open to senior investigators as well as recent doctorates.

For application materials and details on specific research opportunities and laboratory locations, write promptly, giving research areas of interest, to

Associateship Office (JH 608-S1)
NATIONAL RESEARCH COUNCIL
2101 Constitution Avenue, N.W.
Washington, D.C. 20418

Postmark deadline for applications is January 15.

*National
Research Council*

BIOLOGICAL RESEARCH DIVISION DIRECTOR

We are searching for a pharmaceutical industry experienced, broad-based Biological Research Manager who has the technical and professional maturity necessary to direct a rapidly growing community of innovative scientists.

The ideal candidate will have a Doctorate Degree with a minimum of 10 years of pharmaceutical industry R&D experience which establishes his/her competence as both a creative scientist and research manager. A strong background in pharmacology, with experience in toxicology and an understanding of biochemistry and immunology, would optimally qualify the candidate.

This position is with a large and rapidly expanding ethical pharmaceutical company which has enjoyed a renaissance in R&D with a major commitment to continuing growth. Departments of Pharmacology, Biochemistry, Drug Disposition and Toxicology report to this Division Director who reports to the Vice President for Research. The incumbent will have the responsibility for the evaluation and direction of the entire biological research program.

Position is located in a suburban area in proximity to the many cultural benefits of New York City and offers a competitive salary and benefits plus significant opportunity for contribution to our overall objectives. Please forward Curriculum Vitae with salary history and requirement, to:

Box 257, SCIENCE

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POSITIONS OPEN

POSTDOCTORAL POSITION. St. Louis University School of Medicine. Immediately available. Applicant should have experience in cellular immunology and/or immunochemistry. Experience and/or interest in idiotypes and their role in immune regulation is desired. Salary commensurate with experience. Send curriculum vitae and three references to: **Dr. C. J. Bellone, Department of Microbiology, 1402 South Grand, Saint Louis, Mo. 63104.** An Equal Opportunity/Affirmative Action Employer, M/F/H.

POSTDOCTORAL POSITION available immediately for a recent Ph.D., to study the quantitative morphology of bone. Research areas include disuse osteopenia, treatment of osteoporosis, bone cell kinetics, and radiation-induced bone cancers. Salary: \$11,000. Send résumé and three letters of recommendation to: **Dr. Webster S. S. Jee, Radiobiology Division, Department of Pharmacology, Building 522, University of Utah, Salt Lake City, Utah 84112.** Deadline for application: 30 September 1979.

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POSTDOCTORAL POSITION available October 1979 for a limnologist/aquatic ecologist with research experience in the regulation of zooplankton populations. NSF-supported research program at Lake Tahoe, California-Nevada, involving detailed analysis of the factors regulating the zooplankton population, including predation by the fish and invertebrates as well as intra- and interspecific competition and resource partitioning. Field experience in the limnology of large lakes is desirable, but not required. Please send curriculum vitae and three letters of recommendation by 1 October 1979 to: **Dr. Charles R. Goldman, Division of Environmental Studies, University of California, Davis, California 95616.** An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITIONS

Tumor Cell Metastasis (G. Nicolson): in vivo and in vitro experimentation with metastatic tumor cells. Purification of tumor cell surface glycoproteins. Effects of toxins and drugs on metastatic colonization. Must have postdoctoral experience.

Chemistry of Plant Natural Products (E. Rodriguez): organic chemistry of plant natural products. Experience in structural determination and synthesis of terpenoid constituents.

Send curriculum vitae and three letters of recommendation to above-listed individual:

**Department of Developmental and Cell Biology
UNIVERSITY OF CALIFORNIA, IRVINE
Irvine, California 92717**

All qualified candidates welcome; women and minorities encouraged to apply.

POSTDOCTORAL/RESEARCH ASSOCIATE to work on proteases or DNA enzymes from human leukemic cells. Enzyme purification background required; \$11,000 to \$14,000.

**Dr. B. I. Sahai Srivastava
Roswell Park Memorial Institute
Buffalo, N.Y. 14263
Telephone: 716-845-5801**

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POSTDOCTORAL/RESEARCH ASSOCIATE. Immediate opening for person with doctorate in physiology or biophysics. Research centers on study of control of blood flow at the microvascular level. Emphasis presently on studies of microcirculation in the newborn. Second area involves research on the role of interstitium mucopolysaccharides on transport and fluid balance. Annual salary: \$12,000 to \$14,400, depending on experience. Research experience with microvascular methods and micromanipulation preferred. Send curriculum vitae and three letters of reference to: **Dr. C. A. Wiederhielm, Department of Physiology and Biophysics, SJ-40, University of Washington, Seattle, Washington 98195.** The University of Washington is An Affirmative Action/Equal Opportunity Employer.

RESEARCH ASSISTANT PROFESSOR

Ph.D. in metabolic endocrinology required, plus at least 2 years of postdoctoral work in the area of neural/peptidergic control of endocrine pancreas and regulation of glucose and free fatty acid metabolism. Experience with peptide hormone assays and electronics associated with peripheral nerve stimulation very desirable. Send curriculum vitae and three letters of recommendation to: **Daniel Porte, Jr., M.D., VA Medical Center, 4435 Beacon Avenue South, Seattle, Washington 98108.** The University of Washington is an Equal Opportunity Employer.

POSITIONS OPEN

POSTDOCTORAL RESEARCH ASSOCIATE, familiar with animal surgical techniques (bypasses and so forth) and with research experience in thrombosis. Research involves action of fibrinolytic agents in vivo [*Thromb. Res.* 13, 931 (1978)]. Salary: about \$12,000 per year for 2-year appointment. Send résumé and names of three references to: **Dr. Johannes Everse, Department of Biochemistry, Texas Tech University, School of Medicine, Lubbock, Texas 79430.** Equal Opportunity Employer.

POSTDOCTORAL RESEARCH ASSOCIATE

A position as a postdoctoral research associate is available in the laboratory of Dr. William R. Jeffery beginning 1 December 1979 or earlier, to study the structure and function of messenger ribonucleoprotein in eukaryotic cells. Applicants are required to have a Ph.D. and research experience in two or more of the following areas: RNA biochemistry, electron microscopy of macromolecules, two dimensional electrophoretic analysis of proteins, cell microinjection methods, and protein: protein or protein: nucleic acid cross-linking. A salary of \$12,000 to \$15,000 per year will be offered, depending on experience. Candidates must send curriculum vitae which demonstrates evidence of scientific productivity and contains the names and addresses of three references by 1 November 1979 to: **Dr. William R. Jeffery, Department of Zoology, University of Texas at Austin, Austin, Texas 78712.** An Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL RESEARCH ASSOCIATE IN CELLULAR IMMUNOLOGY—Two positions available for recent Ph.D.'s to work in laboratory concerned with the genetic control of hybrid resistance to tumors and the regulation of the secretory immune system. Send curriculum vitae and three references to: **Dr. Julia M. Phillips-Quagliata, Department of Pathology, NEW YORK UNIVERSITY SCHOOL OF MEDICINE, 550 First Avenue, New York, N.Y. 10016.** An Equal Opportunity/Affirmative Action Employer, M/F.

FULL PROFESSOR— OCCUPATIONAL HEALTH ENGINEERING

To fill joint appointment in a College of Medicine and School of Engineering and to assume the associate directorship of a new center of Occupational Health and Safety.

Qualifications will include an engineering degree and earned doctorate. A high level of achievement in research, teaching, and administration with current active research programs are essential. Experience at governmental policy levels in occupational health and safety highly desirable. Applications will be accepted until the position is filled. *Applications from all qualified candidates are welcome; minorities and women are encouraged to apply.*

Please send curriculum vitae, a statement of current research interests, and the names of three or more references to:

**T. Timothy Crocker, M.D.
Department of Community and
Environmental Medicine
University of California
College of Medicine
Irvine, California 92717**

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VISITOR APPOINTMENTS

Are available for new and established Ph.D.'s for up to 1-year periods to carry out research in solar physics, solar-terrestrial physics, and related subjects. Applicants should provide curriculum vitae, including education, work experience, publications, the names of three scientists familiar with their work, and statement of their research plans. Applications must be received by 15 January 1980, and should be sent to: **Visitor Committee, High Altitude Observatory, National Center for Atmospheric Research (NCAR), P.O. Box 3000, Boulder, Colorado 80307.** NCAR is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

PROFESSOR—GENERAL MICROBIOLOGY University of California, Los Angeles

The Department of Microbiology, College of Letters and Science, University of California, Los Angeles, has the authority to recruit a general microbiologist to replace a retiring senior staff member. The appointment may be made at any academic level (assistant to full professor). Duties will include a major teaching assignment in the introductory bacteriology course for the major, plus participation in graduate instruction and supervision of graduate research students. The appointee will be expected to maintain a vigorous research program within the broad area of general prokaryotic microbiology. Applicants must have demonstrated outstanding research achievements and have a dedication to teaching.

Send curriculum vitae, reprints of publications, and at least three letters of recommendation by 15 January 1980 to: **Search Committee, Department of Microbiology, 5304 Life Science, University of California, Los Angeles, Calif. 90024.**

The University is an Equal Opportunity Employer.

Full-time faculty position available as **PROGRAM DIRECTOR FOR BEHAVIORAL SCIENCES** at the Sophie Davis School of Biomedical Education in a combined B.S./M.D. curriculum.

Candidate will be expected to coordinate course instruction in behavioral sciences with external faculty, and participate in research and academic governance.

Clinician preferred and patient-care responsibilities can be developed.

Previous academic experience and interest in innovative models of medical education are desirable.

Salary competitive and negotiated according to rank. Deadline: 15 October 1979.

Please send curriculum vitae to:

**Dr. Leonard Meiselas, Dean
Sophie Davis School of Biomedical Education
Vice President for Health Affairs
THE CITY COLLEGE OF THE
CITY UNIVERSITY OF NEW YORK
138th Street and Convent Avenue
Science Building, 903
New York, N.Y. 10031**

Full-time faculty position available as **PROGRAM DIRECTOR FOR MICROBIOLOGY/INFECTIOUS DISEASES** at the Sophie Davis School of Biomedical Education in a combined B.S./M.D. curriculum.

Candidate will be expected to coordinate course instruction in microbiology/infectious diseases with external faculty, participate in research and academic governance.

Clinician preferred and patient-care responsibilities can be developed.

Previous academic experience and interest in innovative models of medical education are desirable.

Salary competitive and negotiated according to rank. Deadline: 15 October 1979.

Please send curriculum vitae to:

**Dr. Leonard Meiselas, Dean
Sophie Davis School of Biomedical Education
Vice President for Health Affairs
THE CITY COLLEGE OF THE
CITY UNIVERSITY OF NEW YORK
138th Street and Convent Avenue
Science Building, 903
New York, N.Y. 10031**

RESEARCH POSITION IN DEVELOPMENTAL IMMUNOLOGY—POSTDOCTORAL. Available immediately for the study of the induction of T-cell differentiation, antigens, and receptors. Experience or interest in photoaffinity labeling and/or glycoprotein synthesis is desirable. Salary: \$14,000 to \$20,000, depending upon experience. Send curriculum vitae and three references to either: **Dr. R. S. Basch or Dr. J. Buxbaum, NEW YORK UNIVERSITY MEDICAL CENTER, Department of Pathology, 550 First Avenue, New York, N.Y. 10016.** An Equal Opportunity/Affirmative Action Employer, M/F.

VICE PRESIDENT, ACADEMIC AFFAIRS. Principal academic administrator of university (21,500 students) comprised of five schools headed by deans. Location: southern California. Qualifications: earned doctorate, successful teaching and research record, knowledge of multidisciplinary university, decision-making administrative experience. For information contact: **Office of Special Projects, LH-900, California State University, Fullerton, California 92634.** Closing date: 15 November 1979.

Rockefeller Scholarships in Clinical Science

THE ROCKEFELLER UNIVERSITY HOSPITAL offers a program of support for medical graduates interested in pursuing careers in clinical research. Twelve scholarships will be maintained concurrently at this Hospital, each to run for a maximum of three years.

SCOPE The Hospital is a 40-bed clinical facility solely devoted to patient-orientated research since its founding in 1910. The research interests of the present Hospital laboratory groups utilize the disciplines of immunology, metabolism, nutrition, biochemistry, genetics, and pharmacology. Ordinarily the Scholar will choose to join one of the existing laboratories of the Hospital, but under exceptional circumstances a Scholar may work independently in research areas appropriate to the unique facilities of this Hospital.

ELIGIBILITY Graduates of medical schools who have completed their hospital training in internal medicine, pediatrics and/or in the clinical subspecialties are invited to apply. Previous research experience is not a prerequisite; indeed, this program is intended to encourage participation at a critical time in a young person's career by offering full salary and laboratory support prior to the attainment of independent status.

FACULTY APPOINTMENTS Scholars will carry full faculty positions at ranks and salaries appropriate to their previous medical training and research experience.

INFORMATION concerning this program can be obtained from the Physician-in-Chief, The Rockefeller University Hospital, 1230 York Avenue, New York, N.Y. 10021.

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OFFICE OF NAVAL RESEARCH

PERSONNEL SERVICES DIVISION

Announcement No. 79-18

800 N. Quincy St. #823

Arlington, Virginia 22217

Attn: Ms. M. Talbot

All applications must be postmarked no later than February 1, 1980 to receive consideration.

All Civil Service benefits apply.

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ELIGIBILITY: Lady Davis Fellows will be selected on the basis of demonstrated excellence in their studies, promise of distinction in their chosen fields of specialization and qualities of mind, intellect and character.

Post-doctoral candidates shall have completed their doctoral dissertation before arrival in Israel.

The Graduate and Post-doctoral Fellowships are tenable for a period of one year. They may be renewed for a second year and in special circumstances extended to a third year.

The grant is intended to defray the cost of the Fellow's travel and tuition fees and to meet reasonable living expenses.

APPLICATION: Graduate candidates may apply during their senior academic year or after they have undertaken study in a graduate school. Post-doctoral candidates may apply at an early stage of their professional career (not later than 3 years after completion of their doctoral dissertation).

Graduate and Post-doctoral candidates (including Israelis abroad) may obtain application forms from the Lady Davis Fellowship Trust at the above address, after they indicate the category of Fellowship for which they are eligible.

Completed applications must reach the office of the Trust not later than January 1, 1980.

VISITING PROFESSORSHIPS

These Fellowships are intended for candidates with the rank of Full or Associate Professor at their own institution. They are tenable for periods from one trimester (or semester) to a year.

APPLICATION: Forms may be obtained from the Lady Davis Fellowship Trust at the above address. Complete application forms for the Hebrew University must reach the office of the Trust by November 30, 1979. Those for the Technion—by December 31, 1979.

POSITIONS OPEN

RESEARCH ASSOCIATE POSTDOCTORAL POSITION IN MOLECULAR BIOLOGY

Available immediately to study QB RNA replication or translational control of overlapping genes in RNA phage. Salary: \$11,000 to \$12,500. Contact: Dr. Thomas Blumenthal, Department of Biology, Indiana University, Bloomington, Indiana 47405.

RESEARCH POSITION for recent postdoctorate with background in cell biology and/or biochemistry. Study of cellular differential and immune deficiency. Experience in tissue culture and/or HPLC desirable. Please send curriculum vitae to: M. Kerans, NEW YORK UNIVERSITY MEDICAL CENTER, 560 First Avenue, New York, N.Y. 10016. An Equal Opportunity/Affirmative Action Employer, M/F.

RESEARCH TECHNICIAN and LABORATORY SUPERVISOR. Position offers challenging opportunity for well-organized, mature individual who can attend to detail and work independently. Two to 3 years of research experience in biochemistry and some supervisory experience. B.S. (M.S. preferred). Starting salary: \$12,000 to \$14,000. Write to: Dr. Jack Strominger, Harvard University, Biological Laboratories, 16 Divinity Avenue, Cambridge, Mass. 02138.

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WOMEN'S STUDIES. Possible openings for two tenure-track faculty positions, to start in fall 1980. Rank of the appointments is open. Applications welcome from candidates in the behavioral sciences, humanities, and biological sciences whose major research focus is in women's studies. Possibility exists for an appointment in women's studies alone or jointly with a second department and for a half-time or shared position if desired. Submit curriculum vitae (including statement of research and teaching interests), samples of best published or unpublished scholarly work, and letters of recommendation sent directly from three referees to: Search Committee, Women's Studies Program, Box B, 431 White Hall, Cornell University, Ithaca, New York 14853. Cornell University is an Equal Opportunity/Affirmative Action Employer.

FELLOWSHIPS

ENDOCRINOLOGY, METABOLISM, DIABETES RESEARCH FELLOWSHIPS. NIH postdoctoral fellowships for research training in endocrinology, metabolism, and diabetes with an option for one or more years of clinical training for qualified applicants are available at the Mayo Clinic-Mayo Graduate School of Medicine. For further information write to: Colum A. Gorman, M.D., or John E. Gerich, M.D., Mayo Clinic, Rochester, Minnesota 55901.

Mayo Foundation is an Equal Opportunity/Affirmative Action Institution.

THE HEBREW UNIVERSITY OF JERUSALEM Jerusalem, Israel

The Hebrew University of Jerusalem offers a small number of post-doctoral fellowships for the 1979-1981 academic year in the humanities, social sciences, natural sciences, agriculture, and medicine.

Candidates may apply at an early stage of their professional career (not later than 3 years after completion of their doctoral dissertation) to P.O. Box 1255, Jerusalem, Israel.

Completed application forms must be returned by December 31 1979.

GRADUATE STUDY

NEUROSCIENCES AT BAYLOR COLLEGE OF MEDICINE

An interdepartmental Neuroscience Program is offered at Baylor College of Medicine for students interested in advanced study leading to the Ph.D. in neuroscience. The faculty of the program share common interests in neurobiology and strive to promote collaborative research intended to maximize the interdisciplinary nature of the student's education. Applications must be completed by 1 February. Applicants are notified regarding admission and financial support by 15 April. Information regarding the program curriculum, research opportunities, and application procedures may be obtained from:

Scott F. Basinger, Ph.D.
Predoctoral Director
Program in Neuroscience
Baylor College of Medicine
Texas Medical Center
Houston, Texas 77030

COURSE

LIQUID CHROMATOGRAPHY IN CLINICAL ANALYSIS

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This postgraduate course, sponsored by the University of California at San Francisco, will explore liquid chromatography and its application to patient care. AMA/CMA Category I Credit: 19 hours. For further information, please telephone: 415-666-4251.

SCIENTIFIC EXCHANGES

SCIENTIFIC EXCHANGES WITH USSR AND EASTERN EUROPE

Commission on International Relations (USSR/EE)
National Academy of Sciences
2101 Constitution Avenue
Washington, D.C. 20418

Applications are invited from American scientists interested in professional visits (1 to 12 months) between 1980 and August 1981 in the USSR, Bulgaria, Czechoslovakia, the German Democratic Republic, Hungary, Poland, Romania, and Yugoslavia. Applicants must be U.S. citizens and have a doctoral degree in the natural or social and behavioral sciences. Deadline for submitting applications is 16 November 1979; but application materials must be requested no later than 26 October 1979.

SYMPOSIA

BRAIN BIOCHEMISTRY AND BEHAVIOR is the title of the third annual CIBA-GEIGY DREW Symposium on Frontiers in Biomedical Research to be held 25 October 1979 at Drew University. This year's awardees and symposium speakers are Dr. Paul Greengard of Yale and Dr. Seymour Kety of Harvard. Moderating the afternoon symposium will be Dr. Julius Axelrod of NIMH. Address inquiries to: Frontiers in Biomedical Research, Drew University, Madison, New Jersey 07940.

The Fifth Food and Drug Administration (FDA) Science Symposium on the Effects of Foods and Drugs on the Development and Function of the Nervous System will be held 10 to 12 October 1979 at the Hospitality House, 2000 Jefferson Davis Highway, Arlington, Va. Attendance is restricted to 200 people. Interested investigators are invited to submit abstracts. For additional information, please write to: Dr. Rosa Gryder, FDA (HFY-311), 5600 Fishers Lane, Rockville, Md. 20857.

PROGRAM

PROFESSIONAL PROGRAM: DOCTOR OF OPTOMETRY (O.D.). Accelerated program of two calendar years specifically designed for the Ph.D. in the sciences to earn the O.D. degree. Excellent opportunities in health-related teaching and research; opportunity for an independent professional career. Program starts June 1980. Division of Vision Sciences, The New England College of Optometry, 424 Beacon Street, Boston, Mass. 02115. Telephone: 617-261-3430, extension 34.

TRAINING PROGRAM

POSTDOCTORAL TRAINING IN ENDOCRINOLOGY at West Virginia University Medical Center. New interdisciplinary program supported by NIH. Positions filled as available, depending on candidate qualifications and needs of laboratories involved. Participating faculty and research areas are: Margaret Albrink, M.D., Hyperlipidemia/Insulin Resistance; James Blair, Ph.D., Liver Carbohydrate Metabolism; Fred Butcher, Ph.D., Stimulus-Secretion Coupling; Roy Butcher, Ph.D., Pituitary-Ovarian Function; Howard Colby, Ph.D., Adrenal/Hepatic Monooxygenases; George Hedge, Ph.D. (Program Director), Thyroid/Adrenal Neuroendocrinology; Keith Inskeep, Ph.D., Utero-Ovarian Relationships; Michael Mawhinney, Ph.D., Androgen/Estrogen Action; and John Thomas, Ph.D., Androgen Actions/Toxicology. Application information and more detailed descriptions of research programs are available on request from: Dr. George A. Hedge, Professor and Chairman, Department of Physiology, West Virginia University Medical Center, Morgantown, W.Va. 26506. West Virginia University is an Equal Opportunity/Affirmative Action Employer.

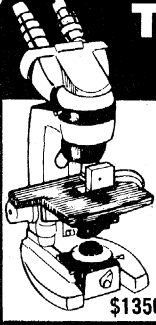
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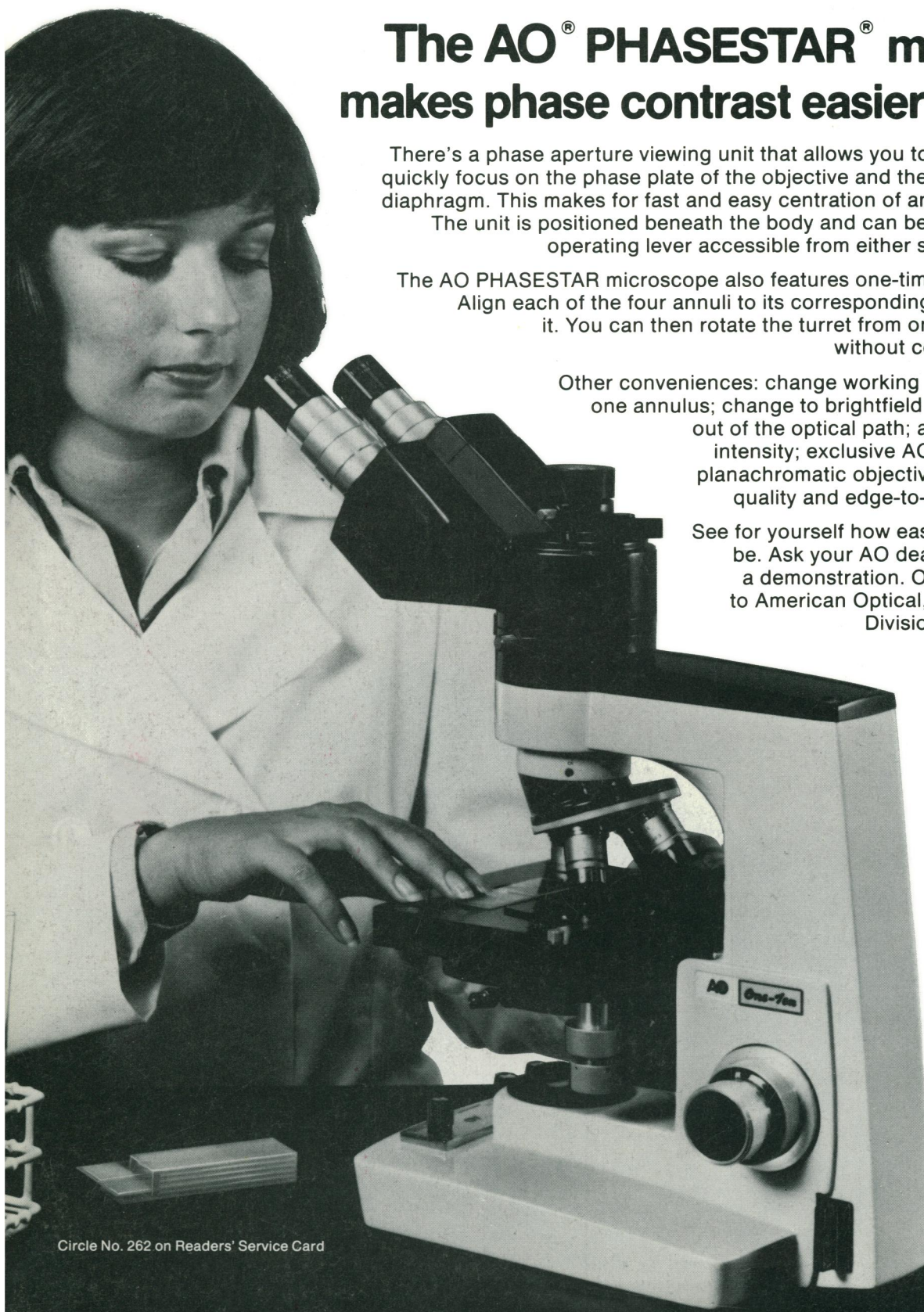
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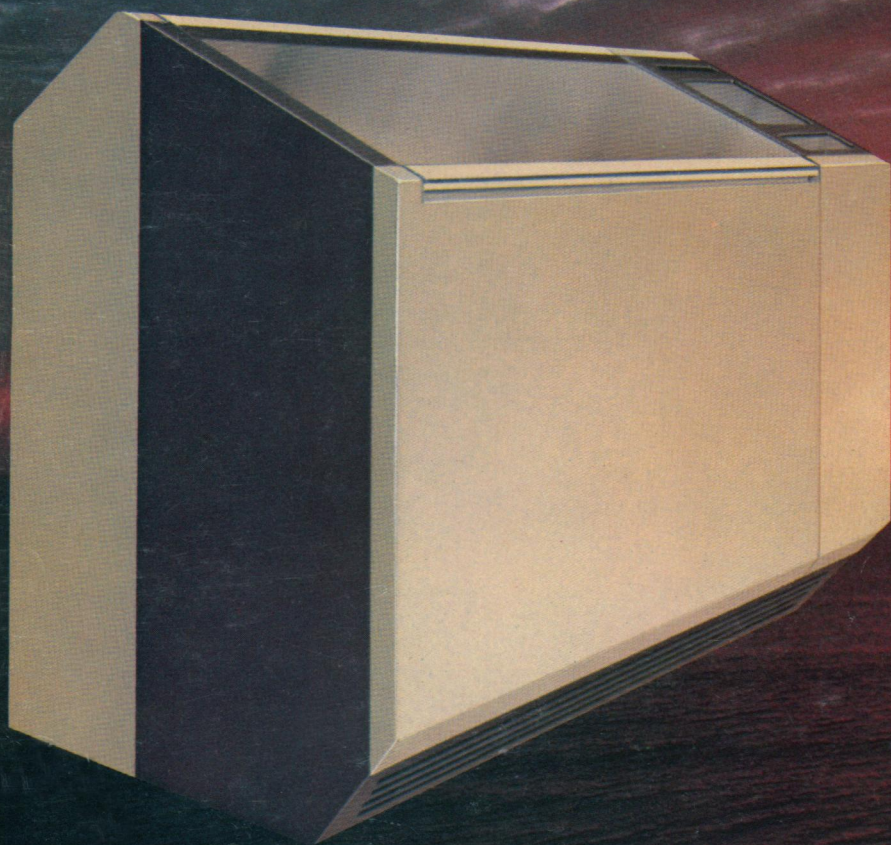
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